**Experiment 8**

# **AIM:** Using laravel framework sample web application of your choice. The web application should interact with mysql database using models, controllers

**THEORY:**

Laravel is an open-source PHP framework, which is robust and easy to understand. It follows a model-view-controller design pattern. Laravel reuses the existing components of different frameworks which helps in creating a web application. The web application thus designed is more structured and pragmatic.

Laravel offers a rich set of functionalities which incorporates the basic features of PHP frameworks like CodeIgniter, Yii and other programming languages like Ruby on Rails. Laravel has a very rich set of features which will boost the speed of web development.

If you are familiar with Core PHP and Advanced PHP, Laravel will make your task easier. It saves a lot time if you are planning to develop a website from scratch. Moreover, a website built in Laravel is secure and prevents several web attacks.

Advantages of Laravel

Laravel offers you the following advantages, when you are designing a web application based on it −

* The web application becomes more scalable, owing to the Laravel framework.
* Considerable time is saved in designing the web application, since Laravel reuses the components from other framework in developing web application.
* It includes namespaces and interfaces, thus helps to organize and manage resources.

**PROGRAM:**

**APP LOGIN PART**

@extends('layouts.app')

@section('content')

<div class="container">

    <div class="row justify-content-center">

        <div class="col-md-8">

            <div class="card">

                <div class="card-header">{{ \_\_('Login') }}</div>

                <div class="card-body">

                    <form method="POST" action="{{ route('login') }}">

                        @csrf

                        <div class="form-group row">

                            <label for="email" class="col-md-4 col-form-label text-md-right">{{ \_\_('E-Mail Address') }}</label>

                            <div class="col-md-6">

                                <input id="email" type="email" class="form-control{{ $errors->has('email') ? ' is-invalid' : '' }}" name="email" value="{{ old('email') }}" required autocomplete="email" autofocus>

                                @if ($errors->has('email'))

                                    <span class="invalid-feedback" role="alert">

                                        <strong>{{ $errors->first('email') }}</strong>

                                    </span>

                                @endif

                            </div>

                        </div>

                        <div class="form-group row">

                            <label for="password" class="col-md-4 col-form-label text-md-right">{{ \_\_('Password') }}</label>

                            <div class="col-md-6">

                                <input id="password" type="password" class="form-control{{ $errors->has('password') ? ' is-invalid' : '' }}" name="password" required autocomplete="current-password">

                                @if ($errors->has('password'))

                                    <span class="invalid-feedback" role="alert">

                                        <strong>{{ $errors->first('password') }}</strong>

                                    </span>

                                @endif

                            </div>

                        </div>

                        <div class="form-group row">

                            <div class="col-md-6 offset-md-4">

                                <div class="form-check">

                                    <input class="form-check-input" type="checkbox" name="remember" id="remember" {{ old('remember') ? 'checked' : '' }}>

                                    <label class="form-check-label" for="remember">

                                        {{ \_\_('Remember Me') }}

                                    </label>

                                </div>

                            </div>

                        </div>

                        <div class="form-group row mb-0">

                            <div class="col-md-8 offset-md-4">

                                <button type="submit" class="btn btn-primary">

                                    {{ \_\_('Login') }}

                                </button>

                                @if (Route::has('password.request'))

                                    <a class="btn btn-link" href="{{ route('password.request') }}">

                                        {{ \_\_('Forgot Your Password?') }}

                                    </a>

                                @endif

                            </div>

                        </div>

                    </form>

                </div>

            </div>

        </div>

    </div>

</div>

@endsection

**APP ENVIRONMENT CONFIG PART**

APP\_NAME=Laravel

APP\_ENV=local

APP\_KEY=

APP\_DEBUG=true

APP\_URL=http://localhost

LOG\_CHANNEL=stack

LOG\_LEVEL=debug

DB\_CONNECTION=mysql

DB\_HOST=127.0.0.1

DB\_PORT=3306

DB\_DATABASE=laravel

DB\_USERNAME=root

DB\_PASSWORD=

BROADCAST\_DRIVER=log

CACHE\_DRIVER=file

QUEUE\_CONNECTION=sync

SESSION\_DRIVER=file

SESSION\_LIFETIME=120

REDIS\_HOST=127.0.0.1

REDIS\_PASSWORD=null

REDIS\_PORT=6379

MAIL\_MAILER=smtp

MAIL\_HOST=smtp.mailtrap.io

MAIL\_PORT=2525

MAIL\_USERNAME=null

MAIL\_PASSWORD=null

MAIL\_ENCRYPTION=null

MAIL\_FROM\_ADDRESS=null

MAIL\_FROM\_NAME="${APP\_NAME}"

**MAIN CONTROLLER PART**

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Http\Controllers\Auth\LoginController;

class PagesController extends Controller

{

    public function index(){

        return view('pages.index');

    }

}

**MAIN USER CONTROLLER PART**

<?php

namespace App\Models;

use Illuminate\Contracts\Auth\MustVerifyEmail;

use Illuminate\Database\Eloquent\Factories\HasFactory;

use Illuminate\Foundation\Auth\User as Authenticatable;

use Illuminate\Notifications\Notifiable;

class User extends Authenticatable

{

    use HasFactory, Notifiable;

    /\*\*

     \* The attributes that are mass assignable.

     \*

     \* @var array

     \*/

    protected $fillable = [

        'name',

        'email',

        'password',

    ];

    /\*\*

     \* The attributes that should be hidden for arrays.

     \*

     \* @var array

     \*/

    protected $hidden = [

        'password',

        'remember\_token',

    ];

    /\*\*

     \* The attributes that should be cast to native types.

     \*

     \* @var array

     \*/

    protected $casts = [

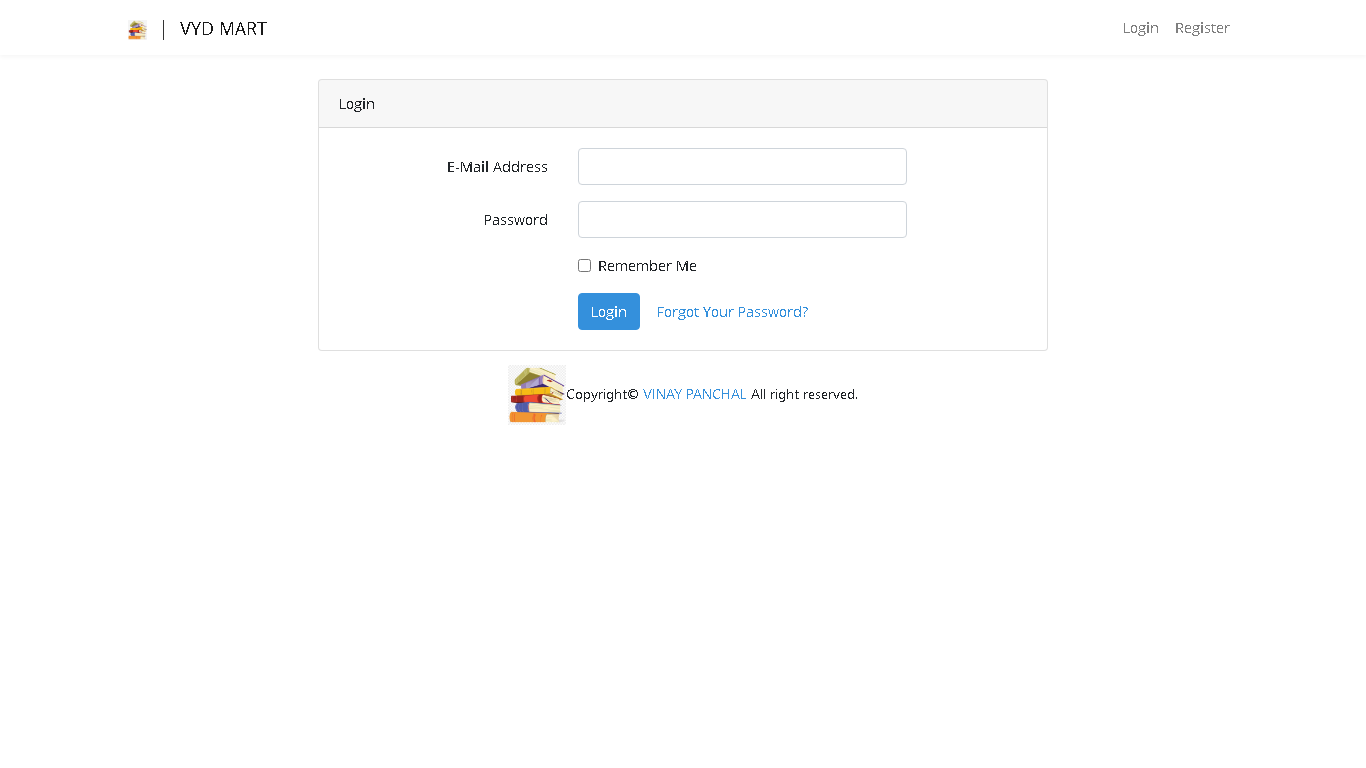
        'email\_verified\_at' => 'datetime',

    ];

}

**OUTPUT:**

**APP LOGIN PART**



**CONCLUSION**

Thus, updated a web application using Laravel framework